

Title (en)

DIOLS AND POLYMERIC GLYCOLS IN DISHWASHING DETERGENT COMPOSITIONS

Title (de)

DIOLE UND POLYMERE GLYCOLE IN GESCHIRRSPÜLMITTELN

Title (fr)

DIOLS ET GLYCOLS POLYMERES DESTINES AUX COMPOSITIONS LAVE-VAISSELLE AMELIOREES

Publication

**EP 1151070 A1 20011107 (EN)**

Application

**EP 00907214 A 20000208**

Priority

- US 0003231 W 20000208
- US 11904499 P 19990208

Abstract (en)

[origin: WO0046331A1] Disclosed are detergent compositions comprising organic diamines, anionic surfactants and amphoteric surfactants including amine oxide for hand dishwashing which, by incorporating certain organic solvents, results in a liquid dishwashing detergent composition that is not only a more effective cleaning agent, but also offers improved physical and enzymatic stability and more convenient rheology and handling characteristics than typical liquid dishwashing compositions.

IPC 1-7

**C11D 3/30**; **C11D 1/83**; **C11D 1/94**; **C11D 3/43**; **C11D 3/20**; **C11D 3/37**

IPC 8 full level

**C11D 1/75** (2006.01); **C11D 1/83** (2006.01); **C11D 1/94** (2006.01); **C11D 3/20** (2006.01); **C11D 3/30** (2006.01); **C11D 3/37** (2006.01); **C11D 3/386** (2006.01); **C11D 3/43** (2006.01); **C11D 11/00** (2006.01); **C11D 17/08** (2006.01); **C11D 1/29** (2006.01); **C11D 1/72** (2006.01); **C11D 1/90** (2006.01)

CPC (source: EP KR)

**C11D 1/83** (2013.01 - EP KR); **C11D 1/94** (2013.01 - EP); **C11D 3/0047** (2013.01 - KR); **C11D 3/0084** (2013.01 - EP); **C11D 3/2041** (2013.01 - EP KR); **C11D 3/2044** (2013.01 - EP); **C11D 3/2048** (2013.01 - EP); **C11D 3/30** (2013.01 - EP KR); **C11D 3/3707** (2013.01 - EP); **C11D 3/38618** (2013.01 - EP KR); **C11D 3/43** (2013.01 - EP KR); **C11D 11/0094** (2013.01 - EP); **C11D 1/29** (2013.01 - EP); **C11D 1/72** (2013.01 - EP); **C11D 1/75** (2013.01 - EP); **C11D 1/90** (2013.01 - EP); **C11D 2111/14** (2024.01 - KR)

Cited by

JP2018532854A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

**WO 0046331 A1 20000810**; AR 017744 A1 20010912; AU 2874300 A 20000825; AU 2874400 A 20000825; AU 2874600 A 20000825; AU 3225400 A 20000825; BR 0008066 A 20011106; CA 2360654 A1 20000810; CN 1345364 A 20020417; CZ 20012872 A3 20020717; EP 1151070 A1 20011107; EP 1151073 A1 20011107; EP 1151074 A1 20011107; EP 1151075 A1 20011107; JP 2002536497 A 20021029; JP 2002536498 A 20021029; JP 2002536499 A 20021029; JP 2002536500 A 20021029; JP 4107633 B2 20080625; KR 20010089638 A 20011006; TR 200102231 T2 20011221; WO 0046333 A1 20000810; WO 0046334 A1 20000810; WO 0046335 A1 20000810

DOCDB simple family (application)

**US 0003231 W 20000208**; AR P000100514 A 20000207; AU 2874300 A 20000208; AU 2874400 A 20000208; AU 2874600 A 20000208; AU 3225400 A 20000208; BR 0008066 A 20000208; CA 2360654 A 20000208; CN 00805633 A 20000208; CZ 20012872 A 20000208; EP 00907211 A 20000208; EP 00907212 A 20000208; EP 00907214 A 20000208; EP 00910107 A 20000208; JP 2000597393 A 20000208; JP 2000597395 A 20000208; JP 2000597396 A 20000208; JP 2000597397 A 20000208; KR 20017009948 A 20010807; TR 200102231 T 20000208; US 0003227 W 20000208; US 0003228 W 20000208; US 0003229 W 20000208